

**BEST AVAILABLE COPY****INTERNATIONAL SEARCH REPORT**International Application No  
PCT/EP2004/051621A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 H04L29/06 G06K19/07 G06K7/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 H04L G06K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, INSPEC, COMPENDEX, IBM-TDB

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 99/49415 A (GEMPLUS CARD INT) 30 September 1999 (1999-09-30) page 1, line 4 - page 4, line 15 page 7, line 6 - line 8 page 7, line 29 - page 9, line 25 page 11, line 6 - line 19 page 13, line 11 - page 14, line 23 -----	1,3-15
X	WO 97/15895 A (PRADEN ANNE MARIE ;GEMPLUS CARD INT (FR)) 1 May 1997 (1997-05-01) page 1, line 8 - line 24 page 2, line 16 - line 20 page 7, line 6 - page 9, line 22 page 13, line 11 - page 14, line 18 page 15, line 1 - page 17, line 14 page 22, line 8 - page 23, line 2 ----- -/-	1,4-15

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

## \* Special categories of cited documents:

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Date of the actual completion of the international search

9 November 2004

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16/11/2004

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PCT/EP2004/051621**C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 99/17247 A (ORGANISATION KARTENSYSTEME GMBH ; NEUMANN RAINER (DE); VELSEN JUERGEN (DE)) 8 April 1999 (1999-04-08) page 1, line 1 - page 2, line 12 page 4, line 2 - line 10 page 5, line 1 - line 2 page 5, line 24 - page 6, line 26 page 8, line 1 - line 4 page 8, line 14 - page 9, line 12 -----	1, 4-15

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Information on patent family members

International Application No

PCT/EP2004/051621

Patent document cited in search report	Publication date	Patent family member(s)		Publication date
WO 9949415	A 30-09-1999	US	6151647 A	21-11-2000
		US	6199128 B1	06-03-2001
		AU	3599899 A	18-10-1999
		CA	2325902 A1	30-09-1999
		CN	1326573 T	12-12-2001
		WO	9949415 A2	30-09-1999
		EP	1066592 A2	10-01-2001
		JP	2003532936 T	05-11-2003
		US	6581122 B1	17-06-2003
-----	-----	-----	-----	-----
WO 9715895	A 01-05-1997	FR	2740240 A1	25-04-1997
		AT	224565 T	15-10-2002
		CA	2208252 A1	01-05-1997
		DE	69623752 D1	24-10-2002
		DE	69623752 T2	05-06-2003
		EP	0800682 A1	15-10-1997
		ES	2183975 T3	01-04-2003
		WO	9715895 A1	01-05-1997
		JP	10511491 T	04-11-1998
		US	6098888 A	08-08-2000
-----	-----	-----	-----	-----
WO 9917247	A 08-04-1999	DE	19742459 A1	08-04-1999
		WO	9917247 A1	08-04-1999
		EP	0941517 A1	15-09-1999
		US	6520416 B1	18-02-2003